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### 1 [An introduction to data warehousing: what are the implications for the network?](#)

Katherine Jones  
February **International Journal of Network Management**, Volume 8 Issue 1  
1998

**Publisher:** John Wiley & Sons, Inc.

Full text available:  Pdf (145.35 KB)  
Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 65, Downloads (Overall): 2770, Citation Count: 0

Data warehousing is an information systems environment, rather than a product. It has emerged as an essential business entity for sophisticated analysis of data. This article presents a clear overview of the implications of data warehousing for business. ...

### 2 [A structured approach to instrumentation system development and evaluation](#)

Abdul Waheed, Diane T. Rover  
December **Supercomputing '95: Proceedings of the 1995 ACM/IEEE conference on Supercomputing**  
1995 (CDROM)

**Publisher:** ACM

Full text available:  Html (82.04 KB)  
Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 38, Downloads (Overall): 217, Citation Count: 3

Software instrumentation is a widely used technique for parallel program performance evaluation, debugging, steering, and visualization. With increasing sophistication of parallel tool development technologies and broadening of application areas where ...

**Keywords:** instrumentation systems, software monitoring, parallel programming tools, parallel processing, modeling, perturbation, performance analysis

### 3 [Internet Web servers: workload characterization and performance implications](#)

Martin F. Arlitt, Carey L. Williamson

October **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 5  
1997

**Publisher:** IEEE Press

Full text available:  Pdf (216.86 KB)  
Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 85, Downloads (Overall): 1104, Citation Count: 95

**Keywords:** World-Wide Web, caching, performance evaluation, workload characterization

### 4 [Streaming RAID: a disk array management system for video files](#)

Fouad A. Tobagi, Joseph Pang, Randall Baird, Mark Gang

September **MULTIMEDIA '93: Proceedings of the first ACM international conference on Multimedia**  
1993

**Publisher:** ACM  Request Permissions

Full text available:  Pdf (89.00 KB),  Ps (717.41 KB)  
Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 61, Downloads (Overall): 925, Citation Count: 84

**5 The interdisciplinary study of coordination**



Thomas W. Malone, Kevin Crowston

March 1994

**Computing Surveys (CSUR)**, Volume 26 Issue 1

Publisher: ACM Request Permissions

Full text available: Pdf (584.94 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 79, Downloads (12 Months): 796, Downloads (Overall): 4903, Citation Count: 163

This survey characterizes an emerging research area, sometimes called coordination theory, that focuses on the interdisciplinary study of coordination. Research in this area uses and extends ideas about coordination from disciplines ...

**Keywords:** computer-supported cooperative work, coordination, coordination science, coordination theory, groupware

**6 Proceedings of the 1997 ACM/IEEE conference on Supercomputing (CDROM)**



November 1997 **Supercomputing '97:** Proceedings of the 1997 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: ACM

Additional Information: [full citation](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

**7 Power minimization in IC design: principles and applications**



Massoud Pedram January 1996 **Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 1 Issue 1

Publisher: ACM Request Permissions

Full text available: Pdf (550.02 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 60, Downloads (12 Months): 390, Downloads (Overall): 3205, Citation Count: 89

Low power has emerged as a principal theme in today's electronics industry. The need for low power has caused a major paradigm shift in which power dissipation is as important as performance and area. This article presents an in-depth survey of CAD methodologies ...

**Keywords:** CMOS circuits, adiabatic circuits, computer-aided design of VLSI, dynamic power dissipation, energy-delay product, gated clocks, layout, low power layout, low power synthesis, lower-power design, power analysis and estimation, power management, power minimization and management, probabilistic analysis, silicon-on-insulator technology, statistical sampling, switched capacitance, switching activity, symbolic simulation, synthesis, system design

**8 Integrated document caching and prefetching in storage hierarchies based on Markov-chain predictions**

Achim Kraiss, Gerhard Weikum

August 1998 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 7 Issue 3

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (603.01 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 38, Downloads (Overall): 415, Citation Count: 12

Large multimedia document archives may hold a major fraction of their data in tertiary storage libraries for cost reasons. This paper develops an integrated approach to the vertical data migration between the tertiary, secondary, and primary storage ...

**Keywords:** Caching, Markov chains, Performance, Prefetching, Scheduling, Stochastic modeling, Tertiary storage

**9 Internet routing instability**

Craig Labovitz, G. Robert Malan, Farnam Jahanian

October **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 5  
1998

**Publisher:** IEEE Press

Full text available:  Pdf (277.43 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 73, Downloads (Overall): 766, Citation Count: 45

**Keywords:** communication system, communication system routing, computer network, internet, routing, stability

**10 Robust IP watermarking methodologies for physical design**

 Andrew B. Kahng, Stefanus Mantik, Igor L. Markov, Miodrag Potkonjak, Paul Tucker, Huijuan Wang, Gregory Wolfe

May **DAC '98: Proceedings of the 35th annual Design Automation Conference**  
1998

**Publisher:** ACM 

Full text available:  Pdf (425.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 23, Downloads (Overall): 256, Citation Count: 16

Increasingly popular reuse-based design paradigms create a pressing need for authorship enforcement techniques that protect the intellectual property rights of designers. We develop the first intellectual property protection protocols for embedding design ...

**Keywords:** intellectual property test, system-on-chip test, testing embedded core

**11 Adaptive resource management for flow-based IP/ATM hybrid switching systems**

Hao Che, San-qi Li, Arthur Lin

October 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 5

**Publisher:** IEEE Press

Full text available:  Pdf (570.85 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 20, Downloads (Overall): 230, Citation Count: 0

**Keywords:** adaptive resource management, cut-through switching, flow cache management, flow classification, flow-based IP/ATM hybrid switching

**12 Concurrency control: methods, performance, and analysis**

 Alexander Thomasian

March 1998 **Computing Surveys (CSUR)**, Volume 30 Issue 1

**Publisher:** ACM 

Full text available:  Pdf (427.18 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 50, Downloads (12 Months): 430, Downloads (Overall): 3114, Citation Count: 18

**Keywords:** Markov chains, adaptive methods, concurrency control, data contention, deadlocks, flow diagrams, load control, optimistic concurrency control, queueing network models, restart-oriented locking methods, serializability, thrashing, two-phase locking, two-phase processing, wait depth limited methods

**13 Visual models of plants interacting with their environment**

 Radomír Měch, Przemysław Prusinkiewicz

August **SIGGRAPH '96: Proceedings of the 23rd annual conference on Computer graphics and interactive techniques**

**Publisher:** ACM 

Full text available:  Pdf (1.40 MB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 29, Downloads (12 Months): 197, Downloads (Overall): 1577, Citation Count: 49

**Keywords:** L-system, clonal plant, ecosystem, modeling, plant development, realistic image synthesis, root, scientific visualization, simulation, software design, tree

#### **14 Choosing the best storage system for video service**

◆ Ann L. Chervenak, David A. Patterson, Randy H. Katz  
January **MULTIMEDIA '95:** Proceedings of the third ACM international conference on Multimedia 1995

Publisher: ACM  Request Permissions

Full text available:  [Html \(61.18 KB\)](#) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 34, Downloads (Overall): 391, Citation Count: 14

#### **15 Fault-tolerance in air traffic control systems**

◆ Flaviu Cristian, Bob Dancey, Jon Dehn  
August 1996 **Transactions on Computer Systems (TOCS)**, Volume 14 Issue 3

Publisher: ACM  Request Permissions

Full text available:  [Pdf \(264.57 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 143, Downloads (Overall): 1163, Citation Count: 5

The distributed real-time system services developed by Lockheed Martin's Air Traffic Management group serve the infrastructure for a number of air traffic control systems. Either completed development or under development are the US Federal Aviation ...

**Keywords:** exception handling, failure, failure classification, failure masking, failure semantics, fault-tolerant systems, group communications, redundancy, server group, software robustness, system architecture

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